

# PSS Gen-1 Review Items

February 15, 2006

## Design & Operational General Improvements

	Item	Comment/Question	Responses	Response Rating
15.	Interface between FEEPS & PSS	PSS Gen-1 major faults may allow <b>PS1</b> to remain open	This seems to present a risk to PS2.	2
16.	DOE & ANL ESH DOE G 420.2B & ANL ESH 5.16	Better as built dwgs	This will be done.	1
17.	Calibration of door position switches	Should station door switches be calibrated and how often.		2
18.	PSS Gen-1 system response time.	Does this PSS Gen-1 remove beam hazards within 1-2 seconds?	<b>SIG should measure and document these PSS performance parameters.</b>	2
19.	Hardware obsolescence	What PLC hardware is about to become obsolete. Should hardware upgrades be used or one-for-one replacements?	This must be done	1
20.	Improved communications	Communications during validation and repair testing could be improved.	This could include a dedicated "auto communication" link between stations.	2
21.	Improved FES Interface	What <b>type of</b> FESIE and MEZZIE Interface <b>is planned for installation?</b>	<b>This plan is being reviewed</b>	1
22.	Improved Diagnostics	<b>Latching faults and providing improved EPICS HMI are ways to improve "troubleshooting" PSS G1 systems.</b>	<b>This should be done.</b>	<b>2</b>
23.	<b>Improved DIW cooling interface</b>	<b>Plan to remove "Love" Controllers from PSS G1 Systems</b>	<b>This will be done.</b>	<b>1</b>
24.	<b>Standardize PSS G1 User HMI</b>	<b>Review the LED displays on user panels for consistency.</b>	<b>This should be done.</b>	<b>2</b>

### Response Rating Key

1 = Should be done ASAP

2 = Should be done but not ASAP

3 = Might be done but needs more review/information/or variance

4 = Not necessary or already being provided.